

ABSTRACT

[0039] The disclosed device is directed toward a rotary water treatment system comprising at least one open channel cell configured to contain a liquid. A cylinder partially disposed in the open channel cell. The cylinder having a first end and a second end opposite the first end, and a cylinder wall coupled between the first end and the second end. The cylinder wall including a plurality of perforations formed in the cylinder wall. A motive force element is coupled to the cylinder configured to impart rotary motion to the cylinder. At least one influent supply is coupled to the at least one open cell. At least one effluent discharge is coupled to the at least one open cell. A pump is fluidly coupled to the at least one influent supply.